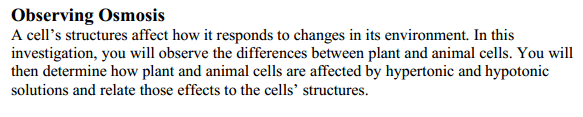
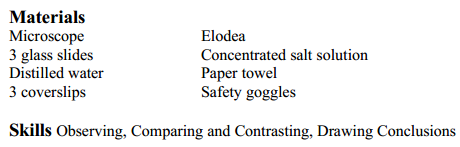
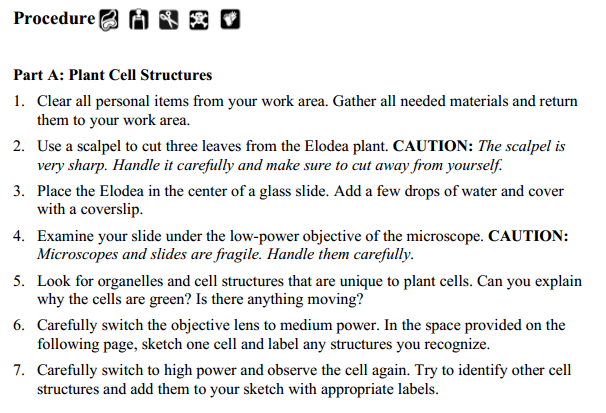
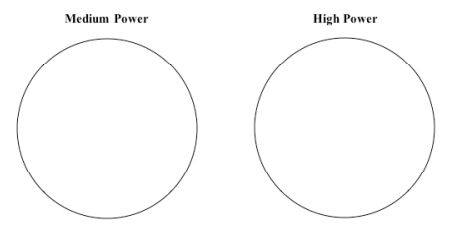
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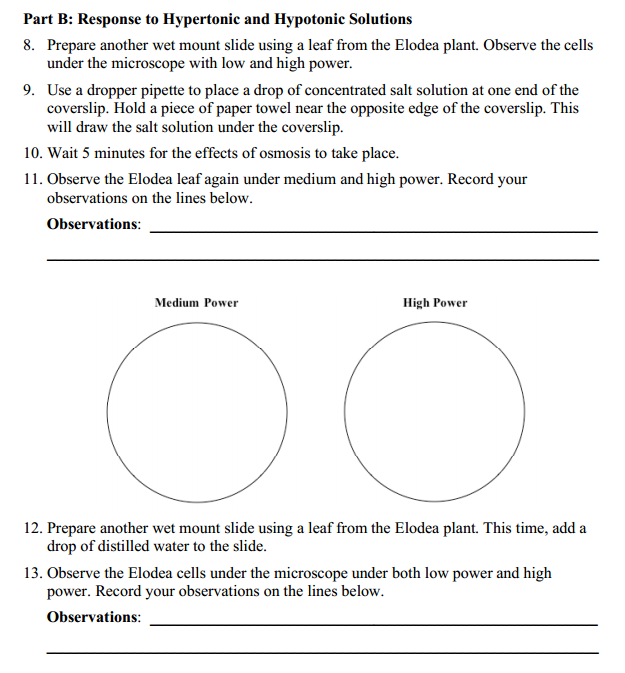
**Osmosis in Elodea Lab**











**Analysis Questions:** Answer each of the questions below thoroughly and accurately.

1) What structures / cell parts did you see in the Elodea cells? Describe the functions of each of the structures you saw.

/2

2) Explain your observations in step 11 in terms of osmosis. Identify the type of solution that is dropped on the plant cells (hypotonic, hypertonic , or isotonic), identify the direction of water movement (into or out of the cell). Please make sure to describe your observations of the cells under the microscope.

/3

3) Explain your observations in step 13 in terms of osmosis. Identify the type of solution that is dropped on the plant cells (hypotonic, hypertonic , or isotonic), identify the direction of water movement (into or out of the cell). Please make sure to describe your observations of the cells under the microscope.

/3

4) Why don’t Elodea cells burst when they are in distilled water? Relate you answer to the differences between plant and animal cells.

/2

**Total Points: \_\_\_\_\_ / 10**

*\*\*\*Thank you to the original source for this document!\*\*\**